

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, Northwest</b>				
<b>JO DAVIESS COUNTY --- APPLE RIVER [42.50, -90.10]</b>				
	07/11/11 05:20 CST		0.10M	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:20 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew down several large trees and a metal flag pole in Apple River, IL at 620 am CDT July 11. Almost every property in the 400 person town suffered some damage. Information from this report was also attained from a news paper article.				
<b>CARROLL COUNTY --- 5.3 ENE MARCUS [42.17, -90.07]</b>				
	07/11/11 05:25 CST		0	Thunderstorm Wind (EG 56 kt)
	07/11/11 05:25 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph were observed 7 miles northwest of Mount Carroll, IL at 625 am CDT July 11.				
<b>JO DAVIESS COUNTY --- 0.5 W STOCKTON [42.35, -90.01]</b>				
	07/11/11 05:27 CST		1K	Thunderstorm Wind (EG 56 kt)
	07/11/11 05:27 CST		0	Source: Public
Wind gusts estimated to be 65 mph blew some storm windows into a home in Stockton, IL at 627 am CDT July 11. Some metal yard furniture was also blown around the yard. This report was relayed by WREX.				
<b>JO DAVIESS COUNTY --- 4.6 SE ELMVILLE [42.22, -89.99]</b>				
	07/11/11 05:27 CST		0	Thunderstorm Wind (EG 56 kt)
	07/11/11 05:27 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph were observed 4 miles west southwest of Loran, IL at 627 am CDT July 11.				
<b>JO DAVIESS COUNTY --- 0.7 N NORA [42.46, -89.93]</b>				
	07/11/11 05:35 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:35 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew down a large tree 1 miles east southeast of Nora, IL at 635 am CDT July 11.				
<b>JO DAVIESS COUNTY --- 0.7 N NORA [42.46, -89.93]</b>				
	07/11/11 05:35 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:35 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph were observed 1 mile east southeast of Nora, IL at 635 am CDT July 11. Electric poles reported knocked over along the Stagecoach Trail east and southeast of Nora.				
<b>WHITESIDE COUNTY --- 1.6 E COMO [41.77, -89.74]</b>				
	07/11/11 05:50 CST		0	Thunderstorm Wind (EG 52 kt)
	07/11/11 05:50 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed 3 miles west of Rock Falls, IL around 650 am CDT July 11.				
<b>WHITESIDE COUNTY --- 0.5 E ROCK FALLS [41.77, -89.69]</b>				
	07/11/11 05:53 CST		0	Thunderstorm Wind (EG 52 kt)
	07/11/11 05:53 CST		0	Source: Emergency Manager
Wind gusts estimated to be 50 to 60 mph were observed in Rock Falls, IL at 653 am CDT July 11. This report was relayed by the Rock Falls ESDA.				
<b>WHITESIDE COUNTY --- 0.5 E STERLING [41.80, -89.69]</b>				
	07/11/11 05:53 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:53 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph were observed in Sterling, IL at 653 am CDT July 11. Reports of trees and large limbs down on power lines in Sterling near the Sinnissippi Park. A number of residents in Whiteside County were left without power in the wake of the storm.				
<b>STEPHENSON COUNTY --- FREEPORT [42.28, -89.62]</b>				

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/11/11 08:00 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/11 08:00 CST		0	Source: Public

Numerous reports of trees and power lines down across the county. The Stephenson County Highway Department salt storage bin was destroyed during the storm.

**Mostly cloudy skies and above normal temperatures were seen across eastern Iowa, northwest Illinois, and northeast Missouri during the early morning hours on July 11. Showers and thunderstorms moved across east central Iowa into northern Illinois between 4 am CDT and 7 am CDT, with many areas seeing damaging winds in excess of 70 mph. Widespread damage was seen from Vinton, IA to Dubuque, IA, with numerous downed power lines and large trees blown down. Morning low temperatures ranged from 68 degrees in Cedar Rapids, IA to 81 degrees in Macomb, IL.**

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### WHITESIDE COUNTY --- 4.8 S ALBANY [41.71, -90.22]

07/24/11 04:04 CST	0	Thunderstorm Wind (EG 52 kt)
07/24/11 04:04 CST	0	Source: Law Enforcement

Wind gusts estimated to be 60 mph blew down some branches about 5 miles south of Albany, IL around 504 am CDT July 24. A road was partially blocked by the branches.

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### STEPHENSON COUNTY --- 2.8 W FREEPORT [42.28, -89.67]

07/24/11 06:36 CST	0	Thunderstorm Wind (EG 52 kt)
07/24/11 06:36 CST	0	Source: Trained Spotter

Wind gusts estimated to be 60 mph snapped a 12 inch diameter branch of a three clump River Birch cluster off at the base at Highland Community College on the west side of Freeport, IL at 736 am CDT July 24. Some smaller branches were also blown down.

**Showers and thunderstorms developed along Interstate 80 and moved eastward into Illinois between 3 am CDT and 8 am CDT July 24, while merging with another cluster of storms diving southeastward out of southwest Wisconsin. Some of the stronger storms produced damaging winds of 60 to 70 mph.**

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### JO DAVIESS COUNTY --- 3.2 NW EAST DUBUQUE [42.51, -90.68], 3.1 E WARREN [42.51, -89.92], 5.9 SSE WILLOW [42.20, -89.92], 2.0 SW WHITTON [42.20, -90.36]

07/27/11 18:00 CST	3	7M	Flash Flood (due to Heavy Rain)
07/28/11 03:00 CST	0		Source: Law Enforcement

Torrential rains of 7 to 15 inches caused some flash flooding across Jo Davies County during the evening of July 27 and morning of July 28. Numerous streets were reported flooded in East Dubuque causing sink holes to form as well as buckling of the road rendering them impassible. A 70 year old woman died in the flood waters after being thrown from a vehicle overcome by flood waters while traveling along Long Hollow Road near Elizabeth, IL. A 75 year old man died in his car which was swept away in flood waters near Galena, IL. A Galena, IL man died of electrocution going down into his flooded basement.

Direct Fatalities: M??PH, F70VE, M75VE

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### JO DAVIESS COUNTY --- 4.0 NW GALENA [42.46, -90.47], 3.9 NW GALENA [42.46, -90.47]

07/27/11 18:18 CST	0	Tornado (EF0, L: 0.05 mi , W: 17 yd)
07/27/11 18:19 CST	0	Source: Trained Spotter

At 718 pm CDT July 27, a tornado was sited 1 mile northwest of the intersection of Highway 20 and Highway 84 or about 4 miles northwest of Galena, IL.

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### JO DAVIESS COUNTY --- 3.6 NE STOCKTON [42.38, -89.95], 4.1 NE STOCKTON [42.39, -89.94]

07/27/11 18:55 CST	0	Tornado (EF0, L: 0.51 mi , W: 17 yd)
07/27/11 18:56 CST	0	Source: Public

Around 755 pm CDT July 27, a tornado was reported about 3 miles northeast of Stockton, IL near Tiger Whip Road. This report was relayed by the emergency manager.

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### JO DAVIESS COUNTY --- GALENA [42.42, -90.42]

07/27/11 19:00 CST	0	Heavy Rain
07/28/11 09:00 CST	0	Source: Public

A storm total of 13.45 inches was reported in Galena.

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### JO DAVIESS COUNTY --- 0.5 W APPLE CANYON LAKE [42.42, -90.16]

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/27/11 19:04 CST		0	Hail (1.00 in)
	07/27/11 19:04 CST		0	Source: Emergency Manager

Quarter sized hail fell at Apple Canyon Lake or about 6 miles south southwest of Apple River, IL around 804 pm CDT July 27.

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### JO DAVIESS COUNTY --- 0.5 W GUILFORD [42.42, -90.31]

07/27/11 19:27 CST	0	Heavy Rain
07/27/11 19:27 CST	0	Source: Trained Spotter

At 827 pm CDT July 27, the 2 hour rainfall total 5 miles south southeast of Council Hill, IL was 3.36 inches and it was still raining.

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### STEPHENSON COUNTY --- 2.0 E FREEPORT [42.28, -89.58]

07/27/11 19:49 CST	0	Thunderstorm Wind (EG 56 kt)
07/27/11 19:49 CST	0	Source: Public

Wind gusts estimated to be 65 mph blew a tree down across Business Highway 20 in Freeport, IL around 849 pm CDT July 27. This report was relayed by a media partner. Thunderstorms also produced extensive tree damage with several limbs of 8 to 12 inches down.

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### JO DAVIESS COUNTY --- 0.5 W STOCKTON [42.35, -90.01]

07/27/11 19:50 CST	0	Heavy Rain
07/27/11 19:50 CST	0	Source: Public

As of 850 pm CDT July 27, the rainfall total in Stockton, IL was 3.00 inches and it was still raining.

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### STEPHENSON COUNTY --- FREEPORT [42.28, -89.62]

07/27/11 20:00 CST	0	Heavy Rain
07/27/11 22:01 CST	0	Source: Public

Reports of nearly 7.00 inches of rain fell between 7PM and 10PM.

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### STEPHENSON COUNTY --- 0.9 NW FREEPORT [42.29, -89.63]

07/27/11 20:14 CST	0	Heavy Rain
07/27/11 20:14 CST	0	Source: Trained Spotter

As of 914 pm CDT July 27, the rainfall total since 8 pm in Freeport, IL was 1.30 inches and it was still raining.

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### STEPHENSON COUNTY --- 5.9 NNW WADDAMS GROVE [42.50, -89.92], 2.5 E WINSLOW [42.50, -89.75], 3.0 SSE DAVIS [42.38, -89.40], 3.6 E GERMAN VLY [42.21, -89.40], 1.4 S LORAN [42.21, -89.92]

07/27/11 20:30 CST	0.50M	Flash Flood (due to Heavy Rain)
07/28/11 03:30 CST	0	Source: Emergency Manager

Torrential rains of 3 to 8 inches caused some flash flooding across parts of Stephenson County during the evening of July 27 and morning of July 28. There were reports of cattle scattered through county by flood waters with some washed downstream. The flood waters were several feet deep in the town of Pearl City. Two people died just west of Freeport, IL from carbon monoxide fumes from a generator use to pump water from a flooded basement.

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### JO DAVIESS COUNTY --- 0.5 W GUILFORD [42.42, -90.31]

07/27/11 21:05 CST	0	Heavy Rain
07/27/11 21:05 CST	0	Source: Trained Spotter

As of 1005 pm CDT July 27, the 4 hour rainfall total about 5 miles south southeast of Council Hill, IL was 5.72 inches and it was still raining.

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### STEPHENSON COUNTY --- 0.9 NW FREEPORT [42.29, -89.63]

07/27/11 21:05 CST	0	Heavy Rain
07/27/11 21:05 CST	0	Source: Trained Spotter

As of 1005 pm CDT July 27, the 2 hour rainfall total in Freeport, IL was 2.50 inches and it was still raining.

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### CARROLL COUNTY --- 7.8 WNW MARCUS [42.19, -90.31], 3.6 NE SHANNON [42.19, -89.69], 2.2 ENE HITT [42.01, -89.69], 1.5 NNW SAVANNA [42.10, -90.16]

07/27/11 22:00 CST	0.25M	Flash Flood (due to Heavy Rain)
07/28/11 03:00 CST	0	Source: Public

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Torrential rains of 2 to 5 inches caused some flash flooding across the northern half of Carroll County during the late evening of July 27 and morning of July 28. Several streets in the town of Savanna were flooded forcing the evacuations of 80 residents. Portions of Mount Carroll along the Plum River were also flooded. Both railroad yards in the town were also underwater.				

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### STEPHENSON COUNTY --- 0.9 NW FREEPORT [42.29, -89.63]

07/27/11 22:23 CST	0	Heavy Rain
07/27/11 22:23 CST	0	Source: Trained Spotter

As of 1123 pm CDT July 27, the rainfall total since 8 pm in Freeport, IL was 3.00 inches.

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### CARROLL COUNTY --- 5.3 ENE MARCUS [42.17, -90.07]

07/27/11 22:38 CST	0	Heavy Rain
07/27/11 22:38 CST	0	Source: Public

As of 1138 pm CDT July 27, the 3 hour rainfall total about 7 miles northwest of Mount Carroll, IL was 3.80 inches and it was still raining.

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### JO DAVIESS COUNTY --- 0.5 W GUILFORD [42.42, -90.31]

07/27/11 23:25 CST	0	Heavy Rain
07/27/11 23:25 CST	0	Source: Trained Spotter

As of 1225 am CDT July 28, the 6 hour rainfall total 5 miles south southeast of Council Hill, IL was 7.50 inches. Heavy rain was still occurring.

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### JO DAVIESS COUNTY --- 0.5 W STOCKTON [42.35, -90.01]

07/27/11 23:30 CST	0	Heavy Rain
07/27/11 23:30 CST	0	Source: COOP Observer

As of 1230 am CDT July 28, the 5 1/2 hour rainfall total in Stockton, IL was 4.95 inches.

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### JO DAVIESS COUNTY --- 1.5 W GUILFORD [42.42, -90.33]

07/28/11 01:16 CST	0	Heavy Rain
07/28/11 01:16 CST	0	Source: Trained Spotter

As of 216 am CDT July 28, the rainfall total 5 miles east of Galena, IL was 9.53 inches. The rainfall intensity had decreased to a light rain at this time.

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### JO DAVIESS COUNTY --- 0.7 S ELIZABETH [42.31, -90.22]

07/28/11 04:17 CST	0	Heavy Rain
07/28/11 04:17 CST	0	Source: Trained Spotter

As of 517 am CDT July 28, the 12 hour rainfall total near Elizabeth, IL was 9.35 inches. The rainfall total since July 21 was 15.97 inches.

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### STEPHENSON COUNTY --- LENA [42.38, -89.83]

07/28/11 04:50 CST	0	Heavy Rain
07/28/11 04:50 CST	0	Source: Trained Spotter

As of 550 am CDT July 28, the 10 hour rainfall total in Lena, IL was 4.85 inches.

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### JO DAVIESS COUNTY --- ELIZABETH [42.32, -90.22]

07/28/11 05:30 CST	0	Heavy Rain
07/28/11 05:30 CST	0	Source: COOP Observer

As of 630 am CDT July 28, the 24 hour rainfall total in Elizabeth, IL was 9.52 inches.

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### STEPHENSON COUNTY --- 0.9 SW PEARL CITY [42.26, -89.84]

07/28/11 05:50 CST	0	Heavy Rain
07/28/11 05:50 CST	0	Source: Trained Spotter

As of 650 am CDT July 28, the rainfall total 1 mile west southwest of Pearl City, IL was 5.20 inches.

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### STEPHENSON COUNTY --- 2.1 WNW MC CONNELL [42.44, -89.77]

07/28/11 05:50 CST	0	Heavy Rain
07/28/11 05:50 CST	0	Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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As of 650 am CDT July 28, the rainfall total 4 miles south southeast of Winslow, IL was 3.25 inches.

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**CARROLL COUNTY --- 0.5 W SHANNON [42.15, -89.74]**

07/28/11 06:00 CST	0	Heavy Rain
07/28/11 06:00 CST	0	Source: Trained Spotter

As of 700 am CDT July 28, the 24 hour rainfall total in Shannon, IL was 4.10 inches.

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**JO DAVIESS COUNTY --- 1.7 ESE GALENA [42.41, -90.39]**

07/28/11 06:00 CST	0	Heavy Rain
07/28/11 06:00 CST	0	Source: COOP Observer

As of 700 am CDT July 28, the 24 hour rainfall total 2 miles east southeast of Galena, IL was 13.45 inches.

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**JO DAVIESS COUNTY --- 1.1 NNW BLANDING [42.28, -90.39]**

07/28/11 07:10 CST	0	Heavy Rain
07/28/11 07:10 CST	0	Source: Amateur Radio

As of 810 am CDT July 28, the rainfall total about 10 miles south of Galena, IL was 4.50 inches. This report was relayed by NWS ARX.

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**STEPHENSON COUNTY --- LENA [42.38, -89.83]**

07/28/11 07:10 CST	0	Heavy Rain
07/28/11 07:10 CST	0	Source: Public

As of 810 am CDT July 28, the rainfall total in Lena, IL was 5.58 inches.

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**STEPHENSON COUNTY --- 2.9 ESE ELEROY [42.31, -89.72]**

07/28/11 08:09 CST	0	Heavy Rain
07/28/11 08:09 CST	0	Source: Trained Spotter

As of 909 am CDT July 28, the 15 hour rainfall total about 5 miles west northwest of Freeport, IL was 7.00 inches.

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**STEPHENSON COUNTY --- 0.9 NW FREEPORT [42.29, -89.63]**

07/28/11 08:23 CST	0	Heavy Rain
07/28/11 08:23 CST	0	Source: Trained Spotter

As of 923 am CDT July 28, the rainfall total in Freeport, IL was 5.50 inches.

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**CARROLL COUNTY --- 0.7 N MT CARROLL [42.11, -89.98]**

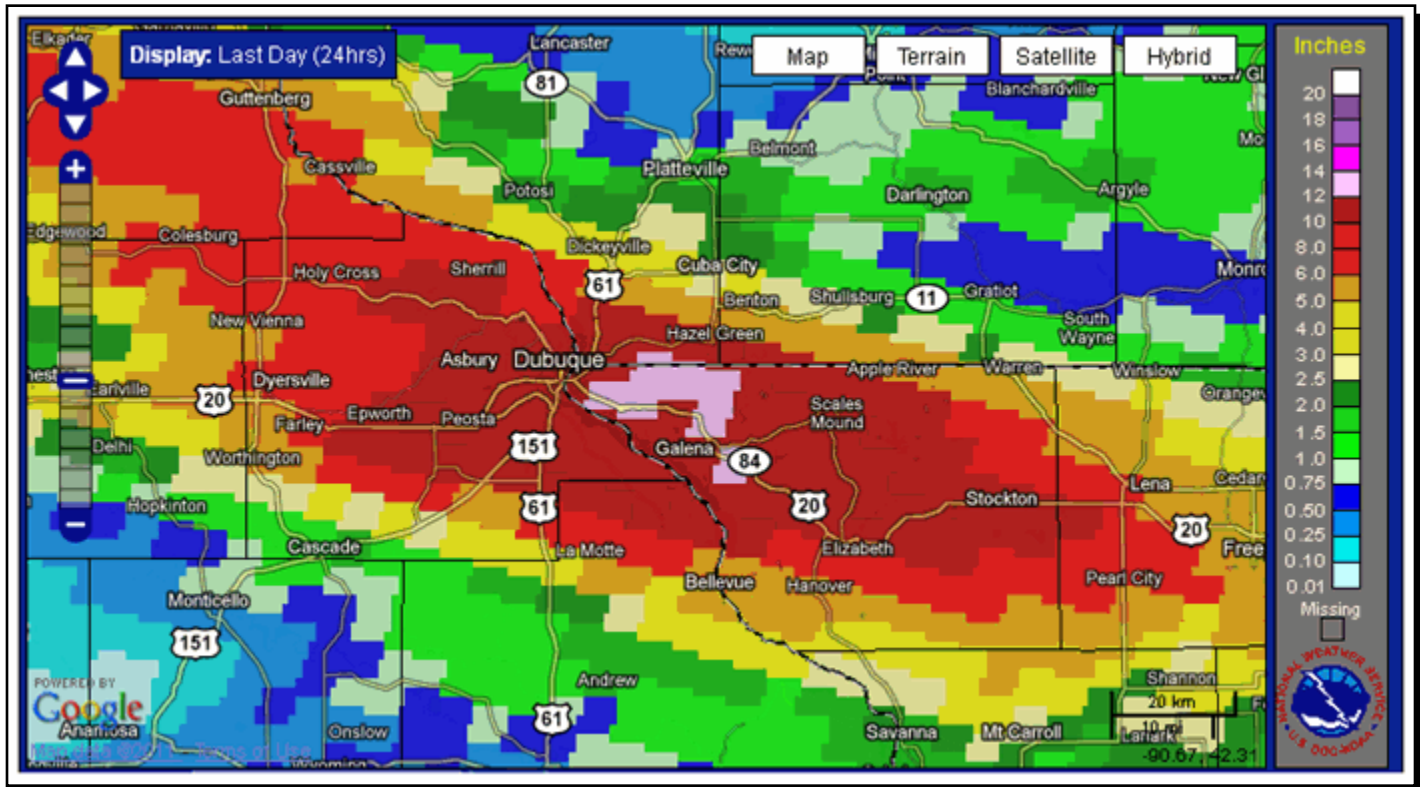
07/28/11 10:19 CST	0	Heavy Rain
07/28/11 10:19 CST	0	Source: Trained Spotter

As of 1119 am CDT July 28, the 17 hour rainfall total 1 mile north of Mount Carroll, IL was 3.10 inches.

Hot and humid conditions prevailed across the region July 27, as a warm front lifted northward into northeast Iowa. Showers and thunderstorms developed along the Highway 20 corridor in Dubuque, Jo Daviess and Stephenson Counties during the early evening hours of July 27. They continued to redevelop and move over the same areas for about 18 hours. Record-setting rainfall totals of 7 to 15 inches resulted in flash flooding of much of the area. The Mississippi River at Dubuque, IA even rose about 4 feet in 12 hours due to the excessive rainfall. In addition to the heavy rains and flooding, some of the stronger storms producing large hail and a brief tornado. High temperatures on July 27 topped out in the lower and middle 90s. Due to the high humidity levels, low temperatures the morning of July 28 only managed to slip into the 70s and lower 80s.

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*Radar Estimated 24 Hour Rainfall Total Ending around 9 am CDT July 28, 2011*

<b>CARROLL COUNTY --- 1.2 NW SAVANNA [42.09, -90.17], 1.5 NNW SAVANNA [42.10, -90.16], 1.5 SSE MS PALLISADES SP [42.11, -90.16], 3.3 NE SAVANNA [42.11, -90.10], 1.4 N RIVERVIEW [42.07, -90.10], 1.2 SW SAVANNA [42.07, -90.17]</b>			
07/28/11 18:12 CST	0.25M		Flash Flood (due to Dam / Levee Break)
07/29/11 00:00 CST	0		Source: Law Enforcement

A large breach in the Portland Avenue Levee on the Plum River caused some flash flooding in parts of Savanna, IL during the evening of July 28 and early morning hours of July 29.

A large breach in the Portland Avenue Levee on the Plum River caused some flash flooding in parts of Savanna, IL during the evening of July 28 and early morning hours of July 29.

### IOWA, East Central and Southeast

<b>BENTON COUNTY --- 0.2 SSE BELLE PLAINE [41.90, -92.28]</b>			
07/11/11 03:30 CST	25K		Thunderstorm Wind (EG 61 kt)
07/11/11 03:30 CST	0		Source: Newspaper

Wind gusts estimated to be 70 mph downed numerous trees and power lines in Belle Plaine, IA around 430 am CDT July 11. The north side of town was hardest hit. Some properties was damaged by the fallen trees.

<b>BENTON COUNTY --- 0.7 SW VAN HORNE [42.01, -92.09], 1.1 SSW VAN HORNE [42.01, -92.09]</b>			
07/11/11 03:45 CST	2K		Thunderstorm Wind (EG 61 kt)
07/11/11 03:45 CST	0		Source: Newspaper

Wind gusts estimated to be 70 mph bent a light pole over about 30 degrees from vertical on Main Street in Van Horne, IA around 445 am CDT July 11.

<b>BENTON COUNTY --- 3.3 SE KEYSTONE [41.97, -92.15]</b>			
07/11/11 03:49 CST	0		Thunderstorm Wind (MG 65 kt)
07/11/11 03:49 CST	0		Source: Trained Spotter

A 75 mph wind gust was recorded 3 miles southeast of Keystone, IA at 449 am CDT July 11.

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BENTON COUNTY --- 0.5 E BELLE PLAINE [41.90, -92.27]</b>				
	07/11/11 03:50 CST		0	Thunderstorm Wind (EG 52 kt)
	07/11/11 03:50 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed in Belle Plaine, IA at 450 am CDT July 11.				
<b>BENTON COUNTY --- 0.3 SSE GARRISON [42.15, -92.15], 0.8 SE GARRISON [42.14, -92.14]</b>				
	07/11/11 03:55 CST		1M	Thunderstorm Wind (EG 104 kt)
	07/11/11 03:55 CST		0	Source: Newspaper
Wind gusts estimated to be 120 mph caused significant damage in Garrison, IA around 455 am CDT July 11. The fire station was destroyed. The roof of the library blew off. About 80 percent of the structures in town were damaged with significant damage to about 20 percent of them.				
<b>BENTON COUNTY --- 0.7 S VINTON [42.16, -92.03]</b>				
	07/11/11 03:58 CST		0	Thunderstorm Wind (EG 56 kt)
	07/11/11 03:58 CST		0	Source: Emergency Manager
Wind gusts estimated to be 65 mph were observed in Vinton, IA at 458 am CDT July 11.				
<b>BENTON COUNTY --- 0.6 SSW VINTON [42.16, -92.03], 0.9 ENE VINTON [42.17, -92.01]</b>				
	07/11/11 04:00 CST		1M	Thunderstorm Wind (EG 104 kt)
	07/11/11 04:00 CST		0	Source: Newspaper
Wind gusts estimated to be 120 mph caused significant damage throughout the town of Vinton, IA at 500 am CDT July 11. Hundreds of trees and power lines were blown down throughout the area and several cars and buildings were damaged. The Iowa Braille and Sight Saving School was heavily damaged. The Old Main building on campus will need a new roof. A smokestack at the hospital was blown off punching a gaping hole in the side of the rehabilitation center. Several buildings in Vinton sustained massive damage, including the A.S.A.C. building, Kruger's Barber Shop, the Pioneer Seed building, Mickey's Bar, Phillips funeral home and the Hummel Apartments.				
<b>BENTON COUNTY --- 0.7 S VINTON [42.16, -92.03]</b>				
	07/11/11 04:00 CST		0	Thunderstorm Wind (MG 61 kt)
	07/11/11 04:00 CST		0	Source: Emergency Manager
Wind gusts estimated to be at least 70 mph were observed in Vinton, IA at 500 am CDT July 11.				
<b>BENTON COUNTY --- 0.7 S VINTON [42.16, -92.03]</b>				
	07/11/11 04:00 CST		0	Thunderstorm Wind (MS 52 kt)
	07/11/11 04:12 CST		0	Source: Emergency Manager
Sustained winds of 60 mph were recorded in Vinton, IA from 500 am until 512 am CDT July 11.				
<b>BENTON COUNTY --- 1.7 S VINTON MEML ARPT [42.20, -92.02]</b>				
	07/11/11 04:01 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:01 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph blew a semi truck off Highway 150 just north of Vinton, IA at 501 am CDT July 11.				
<b>BENTON COUNTY --- KEYSTONE [42.00, -92.20]</b>				
	07/11/11 04:03 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:03 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew down several large trees in Keystone, IA around 503 am CDT July 11. Some crop damage was also observed.				
<b>BENTON COUNTY --- 0.7 S VINTON [42.16, -92.03]</b>				
	07/11/11 04:05 CST		10K	Thunderstorm Wind (EG 70 kt)
	07/11/11 04:05 CST		0	Source: Trained Spotter
Wind gusts estimated to be 80 mph blew a 2 by 4 piece of lumber through a wall of a home knocking the television over in Vinton, IA around 505 am CDT July 11.				
<b>LINN COUNTY --- 3.5 S CEDAR RAPIDS [41.95, -91.66]</b>				

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	07/11/11 04:05 CST		0	Thunderstorm Wind (EG 52 kt)
	07/11/11 04:05 CST		0	Source: Trained Spotter

Wind gusts estimated to be 60 mph were observed 1 mile south southeast of Cedar Rapids, IA at 505 am CDT July 11.

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### LINN COUNTY --- 1.5 NNW MARION [42.05, -91.61]

07/11/11 04:09 CST	0	Thunderstorm Wind (EG 52 kt)
07/11/11 04:09 CST	0	Source: Trained Spotter

Wind gusts estimated to be 55 to 60 mph were observed 1 mile northwest of Marion, IA at 509 am CDT July 11.

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### BENTON COUNTY --- 0.5 NNW URBANA [42.23, -91.87], 1.7 W URBANA [42.22, -91.90]

07/11/11 04:10 CST	0.50M	Thunderstorm Wind (EG 70 kt)
07/11/11 04:10 CST	0	Source: Trained Spotter

Wind gusts estimated to be 80 mph ripped the roof off of the Urbana Elementary School in Urbana, IA around 510 am CDT July 11. Several other businesses were also damaged in the Becca Industrial Park, including Buersh Arch Millwork, Borlaug Systems, and PalTech Enterprises.

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### BUCHANAN COUNTY --- 0.4 SSW BRANDON [42.31, -92.00]

07/11/11 04:10 CST	0	Thunderstorm Wind (EG 61 kt)
07/11/11 04:10 CST	0	Source: Newspaper

Wind gusts estimated to be 70 mph caused some tree damage in Brandon, IA around 510 am CDT July 11.

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### BUCHANAN COUNTY --- 1.1 SW ROWLEY [42.37, -91.85]

07/11/11 04:10 CST	0	Thunderstorm Wind (EG 61 kt)
07/11/11 04:10 CST	0	Source: Newspaper

Wind gusts estimated to be 70 mph caused some tree damage in Rowley, IA around 510 am CDT July 11.

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### LINN COUNTY --- 3.7 SW CENTER PT [42.16, -91.82], 2.4 SSW CENTER PT [42.17, -91.80]

07/11/11 04:10 CST	0	Thunderstorm Wind (EG 61 kt)
07/11/11 04:10 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew down three trees across Lewis Access Rd about 3 miles southwest of Center Point, IA around 510 am CDT July 11. The road to the Cedar River bridge was blocked by the trees.

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### LINN COUNTY --- 3.5 S CEDAR RAPIDS [41.95, -91.66]

07/11/11 04:11 CST	0	Thunderstorm Wind (EG 70 kt)
07/11/11 04:11 CST	0	Source: Trained Spotter

Wind gusts estimated to be 80 mph were observed 1 mile south southeast of Cedar Rapids, IA at 511 am CDT July 11.

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### LINN COUNTY --- 2.9 SE CEDAR RAPIDS [41.97, -91.61]

07/11/11 04:12 CST	0	Thunderstorm Wind (EG 61 kt)
07/11/11 04:12 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph were observed 3 miles east of Cedar Rapids, IA at 512 am CDT July 11.

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### BENTON COUNTY --- 0.6 NNE URBANA [42.23, -91.87]

07/11/11 04:14 CST	5K	Thunderstorm Wind (EG 61 kt)
07/11/11 04:14 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew down some interstate signs near the Sunset Street exit on Interstate 380 near Urbana, IA around 514 am CDT July 11. In addition, several 4 inch diameter trees were snapped off.

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### BENTON COUNTY --- 0.5 W SHELLSBURG [42.10, -91.88]

07/11/11 04:15 CST	0	Thunderstorm Wind (EG 70 kt)
07/11/11 04:15 CST	0	Source: Trained Spotter

Wind gusts estimated to be 80 mph were observed 1 mile northwest of Shellsburg, IA around 515 am CDT July 11.



## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LINN COUNTY --- 0.7 S CENTER PT [42.19, -91.78]</b>				
	07/11/11 04:15 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:15 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew down several large trees in Center Point, IA around 515 am CDT July 11.				
<b>BENTON COUNTY --- 2.0 E CHENEY [42.24, -91.89], 1.4 ESE URBANA [42.21, -91.84]</b>				
	07/11/11 04:16 CST		10K	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:16 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew eight small utility sized trailers over on Interstate 380 near Urbana, IA around 516 am CDT July 11. Some farm fields were also damaged or flattened in the vicinity.				
<b>JONES COUNTY --- 4.7 S MARTELLE [41.95, -91.36], 6.0 NE TEMPLE HILL [42.29, -90.90]</b>				
	07/11/11 04:20 CST		0.25M	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:10 CST		0	Source: Emergency Manager
Wind gusts estimated to be 60 to 70 blew down numerous trees across all of Jones County Iowa between 520 am and 610 am CDT July 11.				
<b>LINN COUNTY --- 0.2 NNE MT VERNON [41.92, -91.42], 0.3 W LISBON [41.92, -91.39]</b>				
	07/11/11 04:20 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:20 CST		0	Source: Newspaper
Wind gusts estimated to be 70 mph caused some tree damage in Mount Vernon, IA and Lisbon, IA around 520 am CDT July 11. The tree took out a utility pole resulting in a power outage.				
<b>LINN COUNTY --- 3.8 SSW WALKER [42.23, -91.87]</b>				
	07/11/11 04:20 CST		20K	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:20 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph flipped a camper over at the Lazy Acres Campground near Urbana, IA around 520 am CDT July 11.				
<b>BENTON COUNTY --- 0.7 S SHELLSBURG [42.09, -91.87]</b>				
	07/11/11 04:21 CST		0.10M	Thunderstorm Wind (EG 70 kt)
	07/11/11 04:21 CST		0	Source: Emergency Manager
Wind gusts estimated to be 80 mph completely destroyed a metal building and blew over several roofs in Shellsburg, IA at 521 am CDT July 11.				
<b>LINN COUNTY --- TODDVILLE [42.10, -91.72]</b>				
	07/11/11 04:23 CST		0	Thunderstorm Wind (MG 63 kt)
	07/11/11 04:23 CST		0	Source: Emergency Manager
A 72 mph wind gust was recorded in Toddville, IA around 523 am CDT July 11.				
<b>LINN COUNTY --- 0.7 S CENTER PT [42.19, -91.78]</b>				
	07/11/11 04:24 CST		0	Thunderstorm Wind (EG 52 kt)
	07/11/11 04:24 CST		0	Source: Fire Department/Rescue
Wind gusts estimated to be over 60 mph were observed in Center Point, IA at 524 am CDT July 11.				
<b>LINN COUNTY --- 1.2 SW PALO [42.06, -91.80]</b>				
	07/11/11 04:24 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:24 CST		0	Source: Fire Department/Rescue
Wind gusts estimated to be 70 mph were observed in Palo, IA around 524 am CDT July 11. This report was relayed by the emergency manager.				
<b>LINN COUNTY --- 1.9 S CENTER PT [42.17, -91.78]</b>				
	07/11/11 04:24 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:24 CST		0	Source: Fire Department/Rescue
Wind gusts estimated to be 70 mph blew a semi truck over at the Interstate 380 truck stop near Center Point, IA at 524 am CDT July 11.				

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LINN COUNTY --- ALBURNETT [42.15, -91.62]</b>				
	07/11/11 04:25 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:25 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph resulted in a power outage in Alburnett, IA at 525 am CDT July 11.				
<b>LINN COUNTY --- TODDVILLE [42.10, -91.72]</b>				
	07/11/11 04:25 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:25 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph resulted in several power outages in Toddville, IA at 525 am CDT July 11.				
<b>LINN COUNTY --- 2.6 ENE WALKER [42.29, -91.78]</b>				
	07/11/11 04:30 CST		50K	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:30 CST		0	Source: Fire Department/Rescue
Wind gusts estimated to be 70 mph blew down several trees in Walker, IA at 530 am CDT July 11. Some cars were damaged.				
<b>JONES COUNTY --- 0.3 SSE MONTICELLO MUNI ARPT [42.23, -91.17]</b>				
	07/11/11 04:35 CST		0	Thunderstorm Wind (MG 57 kt)
	07/11/11 04:35 CST		0	Source: AWOS
A 66 mph wind gust was recorded by the AWOS at the Monticello Regional Airport at 535 am CDT July 11.				
<b>DELAWARE COUNTY --- 0.9 NW MANCHESTER [42.49, -91.46]</b>				
	07/11/11 04:37 CST		0	Thunderstorm Wind (EG 56 kt)
	07/11/11 04:37 CST		0	Source: Emergency Manager
Wind gusts estimated to be 65 mph broke some windows in some homes in Manchester, IA at 537 am CDT July 11. Some power outages were also observed.				
<b>DUBUQUE COUNTY --- 0.2 E DYERSVILLE [42.48, -91.12], 0.8 E DYERSVILLE [42.48, -91.11]</b>				
	07/11/11 04:40 CST		1K	Thunderstorm Wind (EG 61 kt)
	07/11/11 04:40 CST		0	Source: Newspaper
Wind gusts estimated to be 70 mph caused some tree damage in Dyersville, IA around 540 am CDT July 11. A fishing boat and fence were also damaged and utility lines were downed.				
<b>CEDAR COUNTY --- 0.6 N LOWDEN [41.86, -90.93]</b>				
	07/11/11 04:50 CST		0	Lightning
	07/11/11 04:50 CST		0	Source: Newspaper
Lightning split a tree in half in Lowden, IA around 550 am CDT July 11. A COOP observer contributed to this report.				
<b>DUBUQUE COUNTY --- 0.4 SSW ASBURY [42.51, -90.75]</b>				
	07/11/11 04:50 CST		0	Thunderstorm Wind (EG 56 kt)
	07/11/11 04:50 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph split a two foot diameter tree in half near Asbury, IA at 550 am CDT July 11.				
<b>JONES COUNTY --- 3.5 S CENTER JCT [42.07, -91.11]</b>				
	07/11/11 04:54 CST		0	Thunderstorm Wind (EG 56 kt)
	07/11/11 04:54 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph snapped off the top half of a 12 inch diameter pine tree about 3 miles south southwest of Center Junction, IA at 554 am CDT July 11.				
<b>JONES COUNTY --- 3.5 S CENTER JCT [42.07, -91.11]</b>				
	07/11/11 04:54 CST		0	Thunderstorm Wind (EG 56 kt)
	07/11/11 04:54 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph were observed 3 miles south southwest of Center Junction, IA at 554 am CDT July 11.				

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>DUBUQUE COUNTY --- 0.6 ENE (DBQ)DUBUQUE MUNI AR [42.40, -90.71]</b>	07/11/11 04:55 CST		0	Thunderstorm Wind (MG 52 kt)
	07/11/11 04:55 CST		0	Source: ASOS
	A 60 mph wind gust was recorded by the ASOS at the Dubuque Regional Airport at 555 am CDT July 11.			
<b>CLINTON COUNTY --- 0.9 SE CHARLOTTE [41.96, -90.47]</b>	07/11/11 05:00 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:00 CST		0	Source: Trained Spotter
	Wind gusts estimated to be 70 mph blew down two large trees in Charlotte, IA at 600 am CDT July 11.			
<b>CLINTON COUNTY --- 0.9 SE CHARLOTTE [41.96, -90.47]</b>	07/11/11 05:00 CST		0	Thunderstorm Wind (MG 63 kt)
	07/11/11 05:00 CST		0	Source: Trained Spotter
	A 72 mph wind gust was recorded in Charlotte, IA at 600 am CDT July 11.			
<b>DUBUQUE COUNTY --- 0.5 W ASBURY [42.52, -90.76]</b>	07/11/11 05:02 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:02 CST		0	Source: Trained Spotter
	Wind gusts estimated to be 70 mph blew down some 12 inch diameter trees onto an outbuilding about 4 miles west northwest of Dubuque, IA at 602 am CDT July 11.			
<b>DUBUQUE COUNTY --- 0.6 ENE (DBQ)DUBUQUE MUNI AR [42.40, -90.71]</b>	07/11/11 05:07 CST		0	Thunderstorm Wind (MG 56 kt)
	07/11/11 05:07 CST		0	Source: ASOS
	A 64 mph wind gust was recorded by the ASOS at the Dubuque Regional Airport at 607 am CDT July 11.			
<b>DUBUQUE COUNTY --- 0.6 ENE (DBQ)DUBUQUE MUNI AR [42.40, -90.71]</b>	07/11/11 05:10 CST		0	Thunderstorm Wind (MG 64 kt)
	07/11/11 05:10 CST		0	Source: ASOS
	A 74 mph wind gust was recorded by the ASOS at the Dubuque Regional Airport at 610 am CDT July 11. Some planes were pushed into each other and a maintenance building was damaged.			
<b>DUBUQUE COUNTY --- 1.9 NE KEY WEST [42.47, -90.65]</b>	07/11/11 05:10 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	07/11/11 05:10 CST		0	Source: Newspaper
	Wind gust between 65 and 75 mph caused two anaerobic digesters under construction at the Dubuque Water Pollution Control Plant to collapse around 610 am CDT July 11.			
<b>DUBUQUE COUNTY --- 3.1 WNW OLD BALLTOWN [42.64, -90.93]</b>	07/11/11 05:10 CST		0	Thunderstorm Wind (MG 58 kt)
	07/11/11 05:10 CST		0	Source: Trained Spotter
	A 67 mph wind gust was recorded 3 miles west of Balltown, IA at 610 am CDT July 11. Widespread crop damage was also observed.			
<b>JACKSON COUNTY --- 1.9 SSW SMITHS FERRY [42.29, -90.44]</b>	07/11/11 05:10 CST		10K	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:10 CST		0	Source: Newspaper
	Wind gusts estimated to be 70 mph blew a semi-tractor trailer over just north of Bellevue, IA around 610 am CDT July 11.			
<b>JACKSON COUNTY --- 2.9 WSW BELLEVUE [42.25, -90.42]</b>	07/11/11 05:10 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:10 CST		0	Source: Newspaper
	Wind gusts estimated to be 70 mph uprooted a 50 foot tall tree at Vine and 2nd Streets in Bellevue, IA around 610 am CDT July 11.			

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>CLINTON COUNTY --- 0.3 E DEWITT [41.82, -90.54]</b>				
	07/11/11 05:15 CST		1K	Thunderstorm Wind (EG 61 kt)
	07/11/11 05:15 CST		0	Source: Newspaper
Wind gusts estimated to be 70 mph blew down a large tree in DeWitt, IA around 615 am CDT July 11. Power and phone lines were severed.				
<b>SCOTT COUNTY --- 0.7 N PARKVIEW [41.71, -90.58]</b>				
	07/11/11 05:15 CST		1K	Thunderstorm Wind (EG 52 kt)
	07/11/11 05:15 CST		0	Source: NWS Employee
Wind gusts estimated to be 60 mph caused some roof damage about 1 mile north of Long Grove, IA at 615 am CDT July 11.				
<b>CLINTON COUNTY --- 1.7 WNW CLINTON [41.84, -90.23]</b>				
	07/11/11 05:25 CST		5K	Thunderstorm Wind (EG 52 kt)
	07/11/11 05:25 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down some power lines in Clinton, IA around 625 am CDT July 11.				
<b>JACKSON COUNTY --- 0.5 E MAQUOKETA [42.07, -90.67]</b>				
	07/11/11 05:30 CST		5K	Thunderstorm Wind (EG 52 kt)
	07/11/11 05:30 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down some branches in Maquoketa, IA around 630 am CDT July 11. Some streets were blocked by the branches. A power outage was also observed.				
<b>Mostly cloudy skies and above normal temperatures were seen across eastern Iowa, northwest Illinois, and northeast Missouri during the early morning hours on July 11. Showers and thunderstorms moved across east central Iowa into northern Illinois between 4 am CDT and 7 am CDT, with many areas seeing damaging winds in excess of 70 mph. Widespread damage was seen from Vinton, IA to Dubuque, IA, with numerous downed power lines and large trees blown down. Morning low temperatures ranged from 68 degrees in Cedar Rapids, IA to 81 degrees in Macomb, IL.</b>				
<b>BUCHANAN COUNTY --- 2.3 WNW INDEPENDENCE ARPT [42.47, -92.01]</b>				
	07/22/11 19:00 CST		2K	Thunderstorm Wind (EG 61 kt)
	07/22/11 19:00 CST		0	Source: Law Enforcement
Wind gusts estimated to be 70 mph snapped a power pole at the intersection of V71 and D22 about 3 miles east of Jesup, IA around 800 pm CDT July 22.				
<b>LINN COUNTY --- 1.7 WNW MARION ARPT [42.04, -91.56]</b>				
	07/22/11 20:40 CST		0	Thunderstorm Wind (EG 61 kt)
	07/22/11 20:40 CST		0	Source: Trained Spotter
Wind gusts estimated to be 50 to 70 mph were observed 2 miles east northeast of Marion, IA at 940 pm CDT July 22.				
<b>LINN COUNTY --- 1.7 ENE HIAWATHA [42.04, -91.65]</b>				
	07/22/11 20:43 CST		0	Thunderstorm Wind (MG 61 kt)
	07/22/11 20:43 CST		0	Source: Trained Spotter
A 70 mph wind gust was recorded 5 miles north northeast of Cedar Rapids, IA at 943 pm CDT July 22.				
<b>JONES COUNTY --- 0.9 NE MONTICELLO [42.24, -91.19]</b>				
	07/22/11 20:50 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/11 20:50 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down some tree limbs and partially blew down an entire tree in Monticello, IA at 950 pm CDT July 22.				
<b>JONES COUNTY --- 0.9 NE MONTICELLO [42.24, -91.19]</b>				
	07/22/11 20:50 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/11 20:50 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed at the fairgrounds in Monticello, IA at 950 pm CDT July 22.				
<b>JONES COUNTY --- 0.9 NE MONTICELLO [42.24, -91.19]</b>				

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/22/11 20:50 CST		50K	Thunderstorm Wind (EG 56 kt)
	07/22/11 20:50 CST		0	Source: Emergency Manager

Wind gusts estimated to be 65 mph blew down a tree onto a house in Monticello, IA at 950 pm CDT July 22. Power lines and branches were also blown down across much of the town.

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<b>JONES COUNTY --- 0.3 SSE MONTICELLO MUNI ARPT [42.23, -91.17]</b>				
	07/22/11 20:55 CST		0	Thunderstorm Wind (MG 51 kt)
	07/22/11 20:55 CST		0	Source: AWOS

A 59 mph wind gust was recorded by the AWOS at the Monticello Regional Airport at 955 pm CDT July 22.

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<b>JONES COUNTY --- 1.4 NNE MONTICELLO [42.25, -91.19], 1.2 NNE MONTICELLO [42.24, -91.19]</b>				
	07/22/11 21:00 CST		1M	Thunderstorm Wind (EG 52 kt)
	07/22/11 21:00 CST		0	Source: Emergency Manager

Wind gusts estimated to be 60 mph destroyed the JumboTron and sound system at the Jones County Fair in Monticello, IA at 1000 pm CDT July 22. In addition, some vendor tents were blown down and an awning on the Jones County Mobile EM Unit was destroyed.

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<b>JONES COUNTY --- 1.4 NNE MONTICELLO [42.25, -91.19], 1.2 NNE MONTICELLO [42.24, -91.19]</b>				
	07/22/11 21:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/11 21:15 CST		0	Source: NWS Employee

Wind gusts estimated to be up to 60 mph were observed at the Jones County Fairgrounds in Monticello, IA between 1000 pm and 1015 pm CDT July 22.

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<b>CEDAR COUNTY --- 1.7 WNW CEDAR BLUFF [41.79, -91.35]</b>				
	07/22/11 21:13 CST		0	Thunderstorm Wind (EG 56 kt)
	07/22/11 21:13 CST		0	Source: Law Enforcement

Wind gusts estimated to be 65 mph blew down a tree over a road about 8 miles north of West Branch, IA at 1013 pm CDT July 22.

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<b>CEDAR COUNTY --- WEST BRANCH [41.67, -91.35]</b>				
	07/22/11 21:13 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/11 21:13 CST		0	Source: Trained Spotter

Wind gusts estimated to be 60 mph blew down a large tree branch in West Branch, IA at 1013 pm CDT July 22.

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<b>LINN COUNTY --- MT VERNON [41.92, -91.42], LISBON [41.92, -91.38]</b>				
	07/22/11 21:20 CST		10K	Thunderstorm Wind (EG 56 kt)
	07/22/11 21:20 CST		0	Source: Law Enforcement

Wind gusts estimated to be 65 mph blew down some trees and power lines in Mount Vernon, IA and Lisbon, IA at 1020 pm CDT July 22.

**Showers and thunderstorms developed and moved eastward across parts of eastern Iowa during the evening of July 22. Some of the storms were severe producing damaging winds in excess of 60 mph. The Jones County Fair was particularly hard hit with high winds lasting from about 950 pm CDT until about 1015 pm CDT, which damaged some of the equipment set up for the fair and concerts.**

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<b>BUCHANAN COUNTY --- 1.2 NW QUASQUETON [42.41, -91.77], 0.7 N QUASQUETON [42.41, -91.75], 0.7 S QUASQUETON [42.39, -91.75], 1.2 SW QUASQUETON [42.39, -91.77]</b>				
	07/23/11 04:00 CST		0	Flash Flood (due to Heavy Rain)
	07/23/11 07:00 CST		0	Source: Trained Spotter

Heavy rains of 4 to 4.50 inches which fell between 9 pm CDT July 22 and 615 am CDT July 23 resulted in some flash flooding in the Quasqueton, IA area during the morning of July 23. A nearby pasture was flooded and a power outage was also observed.

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<b>CLINTON COUNTY --- 2.3 SE MALONE [41.80, -90.41], 2.4 SSW CLINTON MUNI ARPT [41.80, -90.36]</b>				
	07/23/11 04:00 CST		0	Thunderstorm Wind (EG 61 kt)
	07/23/11 04:00 CST		0	Source: Law Enforcement

Wind gusts estimated to be 70 mph blew down two trees near Low Moor, IA around 500 am CDT July 23. The trees blocked a gravel road west of town.

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<b>CLINTON COUNTY --- 1.6 E FOLLETT [41.75, -90.35]</b>				
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## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/23/11 04:05 CST		0.10M	Thunderstorm Wind (EG 75 kt)
	07/23/11 04:05 CST		0	Source: Emergency Manager

Wind gusts estimated to be 75 mph from an apparent microburst blew down several trees and partially ripped the roofs off of three homes in Folletts, IA around 505 pm CDT July 23. In addition, a barn had its roof blown off.

**Heavy rain producing showers and thunderstorms moved across parts of eastern Iowa during the early morning hours of July 23. Rainfall totals of 2 to 6 inches were recorded across parts of the area, which resulted in some localized flash flooding. In addition, one of the storms was severe producing a microburst near Low Moor, IA and Folletts, IA which caused considerable tree and structural damage.**

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<b>DES MOINES COUNTY --- 0.7 ESE WEST BURLINGTON [40.81, -91.14]</b>				
	07/23/11 17:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/23/11 17:30 CST		0	Source: Trained Spotter

Wind gusts estimated to be 60 mph were observed near the Hy-Vee on Agency Street in Burlington, IA at 630 pm CDT July 23.

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<b>DES MOINES COUNTY --- WEST BURLINGTON [40.82, -91.15]</b>				
	07/23/11 17:38 CST		0	Thunderstorm Wind (EG 52 kt)
	07/23/11 17:38 CST		0	Source: Trained Spotter

Wind gusts estimated to be 55 to 60 mph were observed in West Burlington, IA at 638 pm CDT July 23.

**A severe thunderstorm moved across the Burlington, IA area around 630 pm CDT July 23 with wind gusts estimated to be around 60 mph.**

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<b>BENTON COUNTY --- 1.0 E WATKINS [41.88, -91.98]</b>				
	07/24/11 02:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/24/11 02:30 CST		0	Source: Public

Wind gusts estimated to be 60 mph blew down some tree limbs in Watkins, IA at 330 am CDT July 24. This report was relayed by a media partner.

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<b>SCOTT COUNTY --- 0.8 SW DAVENPORT ARPT [41.61, -90.59]</b>				
	07/24/11 03:28 CST		0	Thunderstorm Wind (MG 57 kt)
	07/24/11 03:28 CST		0	Source: Official NWS Observations

A 66 mph wind gust was recorded by the ASOS at the Davenport Municipal Airport at 428 am CDT July 24.

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<b>SCOTT COUNTY --- 0.7 SE ELDRIDGE [41.66, -90.59], 1.6 SSE ELDRIDGE [41.65, -90.59]</b>				
	07/24/11 03:30 CST		0	Thunderstorm Wind (EG 56 kt)
	07/24/11 03:30 CST		0	Source: Public

Wind gusts estimated to be 65 mph blew down several tree limbs and branches around 8th Street in Eldridge, IA at 430 am CDT July 24.

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<b>SCOTT COUNTY --- 3.7 NW DAVENPORT [41.56, -90.63], 3.5 NW DAVENPORT [41.56, -90.63]</b>				
	07/24/11 03:30 CST	25K		Thunderstorm Wind (EG 56 kt)
	07/24/11 03:30 CST	0		Source: Newspaper

Wind gusts estimated to be 65 mph ripped part of the roof off of Sieffert Lumber Company on the northwest side of Davenport, IA around 430 am CDT July 24. In addition, a metal shed was lifted into the air and tossed onto a car and then over a house and onto another shed at the Arp residence across the street.

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<b>JOHNSON COUNTY --- 2.8 N SHARON CENTER [41.61, -91.68]</b>				
	07/24/11 06:00 CST	50K		Thunderstorm Wind (EG 70 kt)
	07/24/11 06:00 CST	0		Source: Trained Spotter

Wind gusts estimated to be 70 mph damaged a grain elevator, partially ripped off a garage roof, snapped some large tree limbs, and flattened some corn about 4 miles northeast of Frytown, IA which is also known as Williamstown, IA around 700 am CDT July 24.

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<b>LINN COUNTY --- 1.7 ENE HIAWATHA [42.04, -91.65]</b>				
	07/24/11 09:55 CST	0		Thunderstorm Wind (MG 52 kt)
	07/24/11 09:55 CST	0		Source: Trained Spotter

Wind gusts estimated to be 60 mph were observed 5 miles north northeast of Cedar Rapids, IA at 1055 am CDT July 24.

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LINN COUNTY --- 0.7 N HIAWATHA [42.04, -91.68]</b>				
	07/24/11 10:02 CST		0	Thunderstorm Wind (EG 61 kt)
	07/24/11 10:02 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew down some tree branches about 5 miles north of Cedar Rapids, IA at 1102 am CDT July 24.				
<b>LINN COUNTY --- MT VERNON [41.92, -91.42]</b>				
	07/24/11 10:21 CST		2K	Thunderstorm Wind (EG 52 kt)
	07/24/11 10:21 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph caused a power outage in Mount Vernon, IA at 1121 am CDT July 24.				
<b>CEDAR COUNTY --- 0.9 NW CLARENCE [41.89, -91.06]</b>				
	07/24/11 10:28 CST		2K	Thunderstorm Wind (EG 52 kt)
	07/24/11 10:28 CST		0	Source: Law Enforcement
Wind gusts estimated to be 60 mph blew down some tree limbs onto some power lines in Clarence, IA at 1128 am CDT July 24.				
<b>Two rounds of showers and thunderstorms moved across parts of eastern Iowa and northwest Illinois during the morning of July 24.</b>				
<b>The first was a cluster of thunderstorms that developed along Interstate 80 and moved eastward into Illinois between 3 am CDT and 8 am CDT, while merging with another cluster of storms diving southeastward out of southwest Wisconsin. Some of the stronger storms produced damaging winds of 60 to 70 mph.</b>				
<b>Towards the late morning hours, a secondary cluster of thunderstorms developed near Waterloo, IA and raced southeastward producing wind damage across parts of Linn and Cedar counties.</b>				
<b>HENRY COUNTY --- 1.3 ESE MT PLEASANT [40.96, -91.53]</b>				
	07/26/11 15:55 CST		0	Hail (0.88 in)
	07/26/11 15:55 CST		0	Source: Emergency Manager
<b>Non-severe hail the size of a nickel fell 1 mile east of Mount Pleasant, IA at 455 pm July 26.</b>				
<b>JOHNSON COUNTY --- 1.4 WNW COU FALLS [41.83, -91.70], 3.7 ENE SHUEYVILLE [41.87, -91.59]</b>				
	07/27/11 01:00 CST		0.13M	Thunderstorm Wind (EG 78 kt)
	07/27/11 01:30 CST		0	Source: COOP Observer
Wind gusts estimated to be 70 to 90 mph topped off some large trees and uprooted other trees on the south and west sides of Swisher, IA around 2 am. Nearby rural areas also experienced some tree damage. At 1443 Blain Cemetery Road, a tree fell onto the house and into the living room. Near exit 10 on I 380, a tree fell onto a parked truck smashing the cab. In Ely, IA a light pole was blown over behind the public library. There were several other reports of tree damage along the path. KCRG also contributed to this report.				
<b>Some scattered showers and thunderstorms moved from the Oskaloosa, IA area northeastward into northwest Illinois during the early morning hours of July 27. One storm was severe between 200 am CDT and 230 am CDT, as it moved from just south of Swisher, IA to Ely, IA. This storm produced what is known as a wet microburst, which resulted in wind gusts between 70 and 90 mph. Sporadic tree damage was reported along the path, as well as some minor structural damage.</b>				
<b>DUBUQUE COUNTY --- 0.5 W ASBURY [42.52, -90.76]</b>				
	07/27/11 17:39 CST		0	Heavy Rain
	07/27/11 17:39 CST		0	Source: Trained Spotter
At 639 pm CDT July 27, the 20 minute rainfall total 4 miles west northwest of Dubuque, IA was 0.60 inches.				
<b>DUBUQUE COUNTY --- 1.3 NW WHITE PINE HOLLOW SP [42.65, -91.14], 1.1 NW WAUPETON [42.68, -90.90], 4.5 NE SHERRILL [42.64, -90.71], 6.0 ESE MASSEY [42.38, -90.47], 1.1 ESE ZWINGLE [42.30, -90.66], 1.7 S BERNARD [42.30, -90.83], 1.6 SSW WORTHINGTON [42.38, -91.13]</b>				
	07/27/11 17:50 CST		1M	Flash Flood (due to Heavy Rain)
	07/27/11 21:00 CST		0	Source: Law Enforcement
Torrential downpours of rain fell across much of Dubuque County during the evening of July 27 and early morning hours of July 28 resulting in flash flooding of much of the county, especially in Dubuque, IA. Rainfall totals of 7 to 15 inches were common across the area, with most of the rain falling in under 12 hours. Just before 7 pm CDT, significant street flooding occurred in Dubuque, with sewer covers being blown off.				

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>DUBUQUE COUNTY --- 0.5 W ASBURY [42.52, -90.76]</b>				
	07/27/11 18:15 CST		0	Heavy Rain
	07/27/11 18:15 CST		0	Source: Trained Spotter
At 715 pm CDT July 27, the 70 minute rainfall total 4 miles west northwest of Dubuque, IA was 1.60 inches.				
<b>DUBUQUE COUNTY --- 0.9 NW DUBUQUE [42.51, -90.68]</b>				
	07/27/11 18:17 CST		0	Hail (1.00 in)
	07/27/11 18:17 CST		0	Source: Trained Spotter
Quarter sized hail fell 1 mile northeast of Dubuque, IA at 717 pm CDT July 27.				
<b>DUBUQUE COUNTY --- 0.9 NW DUBUQUE [42.51, -90.68]</b>				
	07/27/11 18:18 CST		0	Heavy Rain
	07/27/11 18:18 CST		0	Source: Trained Spotter
At 718 pm CDT July 27, the 1 hour rainfall total 1 mile northeast of Dubuque, IA was estimated to be 3.00 inches.				
<b>DUBUQUE COUNTY --- 0.5 E CENTER GROVE [42.50, -90.69]</b>				
	07/27/11 18:20 CST		0	Hail (1.25 in)
	07/27/11 18:20 CST		0	Source: Trained Spotter
Half dollar sized hail fell in Dubuque, IA at 720 pm CDT July 27.				
<b>DUBUQUE COUNTY --- 1.5 SSW DUBUQUE [42.48, -90.68]</b>				
	07/27/11 18:20 CST		0	Hail (1.00 in)
	07/27/11 18:20 CST		0	Source: Trained Spotter
Quarter sized hail fell 1 mile south southeast of Dubuque, IA at 720 pm CDT July 27.				
<b>DUBUQUE COUNTY --- 1.5 NNE DUBUQUE [42.52, -90.66]</b>				
	07/27/11 18:29 CST		0	Hail (1.00 in)
	07/27/11 18:29 CST		0	Source: Trained Spotter
Quarter sized hail fell 2 miles northeast of Dubuque, IA at 729 pm CDT July 27.				
<b>DUBUQUE COUNTY --- 1.5 NNE DUBUQUE [42.52, -90.66]</b>				
	07/27/11 18:29 CST		0	Heavy Rain
	07/27/11 18:29 CST		0	Source: Trained Spotter
As of 729 pm CDT July 27, the rainfall total 2 miles northeast of Dubuque, IA was 3.50 inches.				
<b>DUBUQUE COUNTY --- 0.5 SE DUBUQUE [42.49, -90.66]</b>				
	07/27/11 18:30 CST		0.10M	Lightning
	07/27/11 18:30 CST		0	Source: Newspaper
Lightning struck a spire on Bishop's Block Building at the intersection of 1st and Main Streets in Dubuque, IA during the evening of July 27 causing bricks to shoot out over the street below. Some cars were damaged and a portion of the street was blocked.				
<b>DUBUQUE COUNTY --- 1.3 NW WHITE PINE HOLLOW SP [42.65, -91.14], 1.1 NW WAUPETON [42.68, -90.90], 4.5 NE SHERRILL [42.64, -90.71], 6.0 ESE MASSEY [42.38, -90.47], 1.1 ESE ZWINGLE [42.30, -90.66], 1.7 S BERNARD [42.30, -90.83], 1.6 SSW WORTHINGTON [42.38, -91.13]</b>				
	07/27/11 20:00 CST		7M	Flash Flood (due to Heavy Rain)
	07/28/11 03:00 CST		0	Source: Law Enforcement



## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Torrential downpours of rain fell across much of Dubuque County during the evening of July 27 and early morning hours of July 28 resulting in flash flooding of much of the county, especially in Dubuque, IA. Rainfall totals of 7 to 15 inches were common across the area, with most of the rain falling in under 12 hours.</p>				

Numerous roads and bridges were washed out and many others closed, causing Dubuque County to run out of barricades. Several neighborhoods were evacuated, including the Valley Hill trailer park where the water was 6 feet deep. Many creeks in the area raged out of their banks, including Catfish Creek. Very early estimates of damage to infrastructure alone exceeded \$3 Million. Numerous roads and streets were flooded, with some eroded or washed away completely. Among the hardest hit areas was the vicinities of St. Mary's Catholic Church, Elm Street and the Millwork District. The Dubuque water treatment plant was heavily damaged, with estimates between \$1.5 Million and \$2 Million. A basement wall caved in at 1790 Chaney Road on Dubuque's West End.

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**JACKSON COUNTY --- 1.2 NNW GARRY OWEN [42.30, -90.83], 2.3 W LA MOTTE [42.30, -90.67], 5.9 W ST DONATUS [42.38, -90.67], 0.1 N GORDONS FERRY [42.38, -90.47], 3.8 N SABULA [42.13, -90.18]**

07/27/11 20:00 CST	1.50M	Flash Flood (due to Heavy Rain)
07/28/11 03:00 CST	0	Source: Law Enforcement

Torrential downpours of rain fell across much of northeastern Jackson County during the evening of July 27 and early morning hours of July 28 resulting in flash flooding of much of the area. Rainfall totals of 7 to 15 inches were common across the area, with most of the rain falling in under 12 hours.

Several bridges were closed and roads washed out in northern Jackson County, including the bridge on 308th Street between Sieverding Ridge Road and U.S. 52, a wooden bridge in Tete De Morts Township on High Bridge Road, and a bridge on 248th Avenue. Some culverts on 370th Street were destroyed. Spruce Creek Park was evacuated. Some basements in Bellevue were also flooded. Annie's Acres along Mill Creek Road was also flooded.

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**DUBUQUE COUNTY --- 0.5 W ASBURY [42.52, -90.76]**

07/27/11 20:30 CST	0	Heavy Rain
07/27/11 20:30 CST	0	Source: Trained Spotter

As of 930 pm CDT July 27, the rainfall total 4 miles west northwest of Dubuque, IA was 2.50 inches.

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**DUBUQUE COUNTY --- 0.6 ENE (DBQ)DUBUQUE MUNI AR [42.40, -90.71]**

07/27/11 20:53 CST	0	Heavy Rain
07/27/11 20:53 CST	0	Source: ASOS

As of 10 pm CDT July 27, the 4 hour rainfall total at the Dubuque Regional Airport was 4.39 inches. The hourly amounts were 0.17 inches from 6 to 7 pm, 0.40 inches from 7 to 8 pm, 1.54 inches from 8 to 9 pm, and 2.28 inches from 9 to 10 pm.

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**DUBUQUE COUNTY --- 0.6 ENE (DBQ)DUBUQUE MUNI AR [42.40, -90.71]**

07/27/11 23:19 CST	0	Thunderstorm Wind (MG 51 kt)
07/27/11 23:19 CST	0	Source: ASOS

A 59 mph wind gust was recorded by the ASOS at the Dubuque Regional Airport at 1219 am CDT July 28.

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**DUBUQUE COUNTY --- 0.5 W ASBURY [42.52, -90.76]**

07/27/11 23:29 CST	0	Heavy Rain
07/27/11 23:29 CST	0	Source: Trained Spotter

As of 1229 am CDT July 28, the rainfall total 4 miles west northwest of Dubuque, IA was 4.00 inches.

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**DUBUQUE COUNTY --- 0.6 ENE (DBQ)DUBUQUE MUNI AR [42.40, -90.71]**

07/28/11 00:00 CST	0	Heavy Rain
07/28/11 00:00 CST	0	Source: ASOS

As of 100 am CDT July 28, the 7 hour rainfall total recorded by the ASOS at the Dubuque Regional Airport was 7.35 inches. This made the daily rainfall total a record 7.47 inches. The previous record for July 27 was 3.10 inches set in 1896. In addition, this total was also a July Daily Rainfall Record, surpassing the previous record of 6.28 inches established on July 1, 1961.

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**DUBUQUE COUNTY --- 0.5 W ASBURY [42.52, -90.76]**

07/28/11 03:49 CST	0	Heavy Rain
07/28/11 03:49 CST	0	Source: Trained Spotter

At 449 am CDT July 28, the 11 hour rainfall total 4 miles west northwest of Dubuque, IA was 8.50 inches.

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**DUBUQUE COUNTY --- 0.9 NW DUBUQUE [42.51, -90.68]**

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/28/11 04:23 CST		0	Heavy Rain
	07/28/11 04:23 CST		0	Source: Trained Spotter
At 523 am CDT July 28, the rainfall total 1 mile northeast of Dubuque, IA was 7.50 inches.				
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<b>DELAWARE COUNTY --- 0.7 S EDGEWOOD [42.64, -91.40]</b>				
	07/28/11 04:50 CST		0	Heavy Rain
	07/28/11 04:50 CST		0	Source: Trained Spotter
At 550 am CDT July 28, the rainfall total in Edgewood, IA was 3.07 inches.				
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<b>DUBUQUE COUNTY --- 1.5 SSE ASBURY [42.50, -90.74]</b>				
	07/28/11 05:00 CST		0	Heavy Rain
	07/28/11 05:00 CST		0	Source: Trained Spotter
At 600 am CDT July 28, the rainfall total 2 miles west of Dubuque, IA was 7.06 inches and it was still raining.				
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<b>DUBUQUE COUNTY --- 3.0 NNE DUBUQUE [42.54, -90.65]</b>				
	07/28/11 05:00 CST		0	Heavy Rain
	07/28/11 05:00 CST		0	Source: COOP Observer
At 6 am CDT July 28, the 24 hour rainfall total at the COOP site at Lock and Dam 11 in Dubuque, IA was 8.80 inches.				
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<b>DUBUQUE COUNTY --- 0.9 NW (DBQ)DUBUQUE MUNI AR [42.41, -90.73]</b>				
	07/28/11 05:43 CST		0	Heavy Rain
	07/28/11 05:43 CST		0	Source: Official NWS Observations
At 643 am CDT July 28, the 24 hour rainfall total 1 mile northwest of the Dubuque Regional Airport was 10.92 inches.				
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<b>DUBUQUE COUNTY --- 0.6 ENE (DBQ)DUBUQUE MUNI AR [42.40, -90.71]</b>				
	07/28/11 06:00 CST		0	Heavy Rain
	07/28/11 06:00 CST		0	Source: ASOS
At 700 am CDT July 28, the 13 hour rainfall total recorded by the ASOS at the Dubuque Regional Airport was 10.31 inches.				
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<b>DUBUQUE COUNTY --- PEOSTA [42.45, -90.85]</b>				
	07/28/11 06:40 CST		0	Heavy Rain
	07/28/11 06:40 CST		0	Source: Public
At 740 am CDT July 28, the rainfall total in Peosta, IA was 13.10 inches and it was still raining.				
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<b>DUBUQUE COUNTY --- 1.0 E KEY WEST [42.45, -90.66]</b>				
	07/28/11 06:59 CST		0	Heavy Rain
	07/28/11 06:59 CST		0	Source: Public
At 759 am CDT July 28, the rainfall total 4 miles south southeast of Dubuque, IA was 14.50 inches.				
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<b>DUBUQUE COUNTY --- 1.0 W HOLY CROSS [42.60, -91.00]</b>				
	07/28/11 07:18 CST		0	Heavy Rain
	07/28/11 07:18 CST		0	Source: Public
At 817 am CDT July 28, the rainfall total in Holy Cross, IA was 7.50 inches. This report was relayed by a media partner.				
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<b>BUCHANAN COUNTY --- 0.5 W INDEPENDENCE [42.47, -91.89]</b>				
	07/28/11 08:30 CST		0	Heavy Rain
	07/28/11 08:30 CST		0	Source: Trained Spotter
At 930 am CDT July 28, the rainfall total in Independence, IA was 3.00 inches.				
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<b>DUBUQUE COUNTY --- 0.6 ENE (DBQ)DUBUQUE MUNI AR [42.40, -90.71]</b>				
	07/28/11 10:37 CST		0	Heavy Rain
	07/28/11 10:37 CST		0	Source: ASOS

## Storm Data and Unusual Weather Phenomena - July 2011

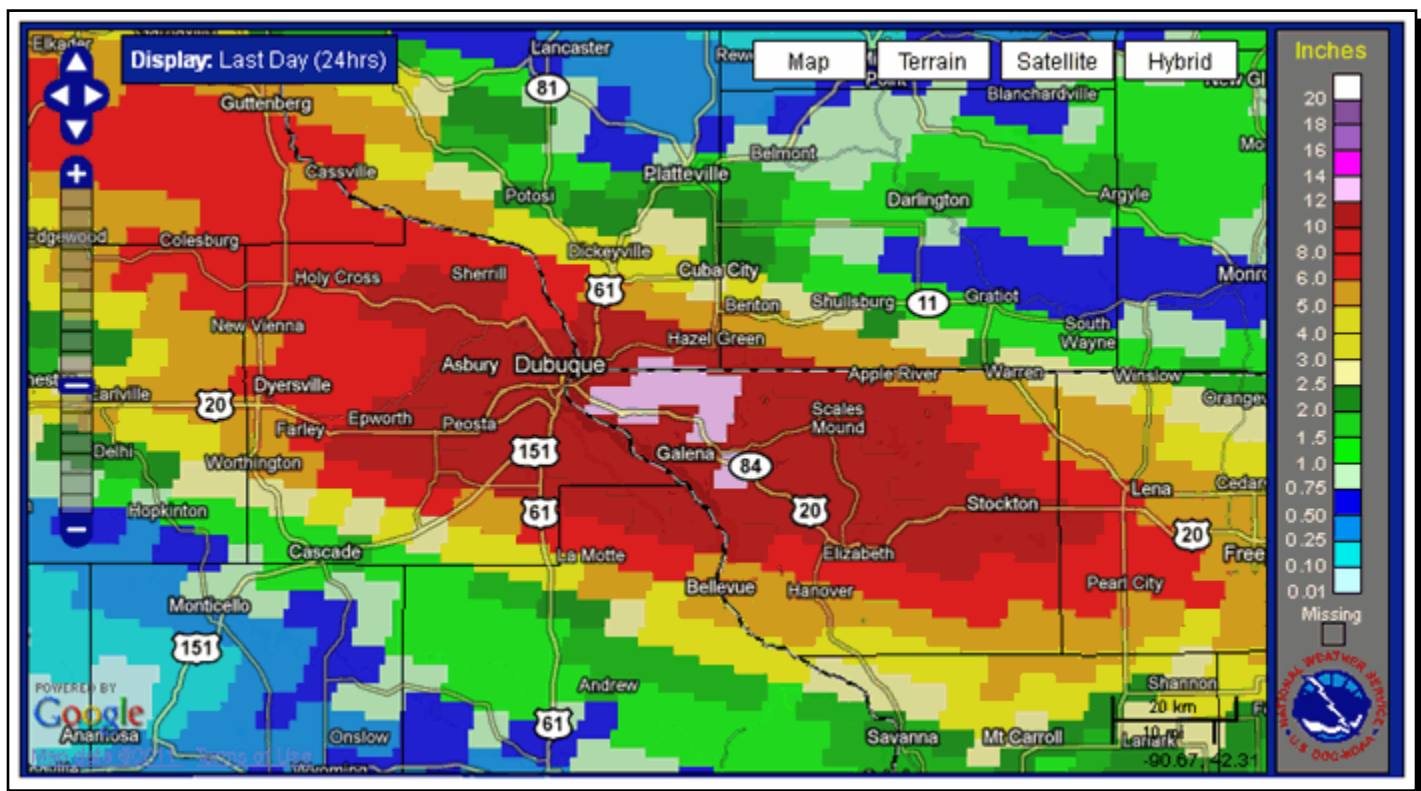
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
At 1137 am CDT July 28, it stopped raining at the Dubuque Regional Airport. The 24 hour total at this time was 10.62 inches, which actually fell within 18 hours! This is a new 24 hour rainfall record for Dubuque, IA. The previous record was 8.96 inches set on August 21 and 22, 2002.				
In addition, a new daily rainfall record of 3.27 inches was established for July 28. The previous record was 2.30 inches set in 1990.				
This 24 hour total of 10.62 inches pushed the July total to a record 16.01 inches! The previous July record was 12.68 inches set just last year in 2010.				
In addition, the 16.01 inches July 2011 rainfall total also broke the all time monthly rainfall record! The previous record was 15.46 inches set in September 1965.				

### DUBUQUE COUNTY --- 1.7 SE JULIEN [42.46, -90.75]

07/28/11 10:55 CST	0	Heavy Rain
07/28/11 10:55 CST	0	Source: Public

At 1155 am CDT July 28, the 24 hour rainfall total 4 miles southwest of Dubuque, IA was 15.10 inches. This report was relayed by a media partner.

Hot and humid conditions prevailed across the region July 27, as a warm front lifted northward into northeast Iowa. Showers and thunderstorms developed along the Highway 20 corridor in Dubuque, Jo Daviess and Stephenson Counties during the early evening hours of July 27. They continued to redevelop and move over the same areas for about 18 hours. Record-setting rainfall totals of 7 to 15 inches resulted in flash flooding of much of the area. The Mississippi River at Dubuque, IA even rose about 4 feet in 12 hours due to the excessive rainfall. In addition to the heavy rains and flooding, some of the stronger storms produced large hail and 2 brief tornadoes. High temperatures on July 27 topped out in the lower and middle 90s. Due to the high humidity levels, low temperatures the morning of July 28 only managed to slip into the 70s and lower 80s.



Radar Estimated 24 Hour Rainfall Total Ending around 9 am CDT July 28, 2011

### JACKSON COUNTY --- 3.1 W BELLEVUE [42.27, -90.43], 2.9 WSW BELLEVUE [42.25, -90.42]

07/28/11 09:15 CST	50K	Thunderstorm Wind (EG 74 kt)
07/28/11 09:15 CST	0	Source: NWS Storm Survey

Wind gusts estimated to be up to 85 mph snapped several large pine trees off about 10 feet off the ground, downed power lines, and destroyed a machine shed in Bellevue, IA around 1015 am CDT July 28. The debris from the machine shed blew across the street onto the DNR Building and broke the windshield of a DNR vehicle. A power outage was observed on the south side of town.

**Storm Data and Unusual Weather Phenomena - July 2011**

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A microburst caused wind gusts of up to 85 mph in Bellevue, IA during the mid-morning hours of July 28.